# Release Note
# For
# Motorola Bluetooth
# Version 4.0.14.343

# Notices

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# 1 Product Release Identification

| | |
|---|---|
| Date: | December 2, 2011 |
| Product Name: | Motorola Bluetooth |
| Classification: | Mass Production Release |
| Version: | 4.0.14.343 |

The Motorola Bluetooth software is a powerhouse suite for Windows-based personal computers. Users can connect wirelessly to their PC with a variety of Bluetooth devices, such as mobile phones, ear buds, stereo headsets, smart handhelds, printers, digital cameras and more.

# 2 Product Release Details

The current version of Bluetooth contains the following features/modifications:

- Release Components:
  - Product Installer
- Target Platform:
  - Windows XP SP3, Vista, Win7 for x32/x64 systems
  - CSR USB (BC4/BC8), RTL8188CE+BC4, RTL8192SE+BC8, RTL8192DE+BC8 Bluetooth/Wi-Fi combo modules
- Modifications/Updates:
  - Fixed minor problems in A2DP, HSP, HFP
  - Fixed BSOD in audio driver
  - Fixed minor problem in HID
  - Localization is updated

# 3 Product Specifications

- Bluetooth Cores:
  - Bluetooth v4.0 + Low Energy (LE) + High Speed (HS)
  - Bluetooth v3.0 + High Speed (HS)
  - Bluetooth v2.1 + Enhanced Data Rate (EDR)
  - Bluetooth v2.0 + Enhanced Data Rate (EDR)
  - Bluetooth v1.2
  - Bluetooth v1.1

- Traditional Bluetooth Profiles:
  - Advanced Audio Distribution Profile (A2DP) (Source/Sink)
  - A/V Remote Control Profile (AVRCP) (Target/Controller)
  - Basic Imaging Profile (BIP) (Push Initiator, Push Responder)
  - Basic Printing Profile (BPP) (Sender Device)
  - Device ID (DI)
  - Dial-Up Networking Profile (DUN) (Data Terminal)
  - Fax Profile (FAX) (Data Terminal)
  - File Transfer Profile (FTP) (Client/Server)
  - Generic Access Profile (GAP)
  - Generic A/V Distribution Profile (GAVDP) (Acceptor/Initiator)
  - Generic Object Exchange Profile (GOEP) (Client/Server)
  - Hardcopy Replacement Profile (HCRP) (Host)
  - Hands-Free Profile (HFP) (Audio Gateway)
  - Headset Profile (HSP) (Audio Gateway)
  - Human Interface Device Profile (HID) (Host)
  - Object Push Profile (OPP) (Client/Server)
  - Personal Area Network Profile (PAN) (PAN-U Client, PAN GN)
  - Phone Book Access Profile (PBAP) (Phone Book Client Equipment)
  - Service Discovery Application Profile (SDAP) (Client/Server)
  - Serial Port Profile (SPP) (Device A/B)
  - Synchronization Profile (SYNC) (Client)

- Low Energy Bluetooth Profiles:
  - Generic Attribute Profile (GATT) (Client/Server)
  - Find Me Profile (FMP) (Locator)
  - Proximity Profile (PXP) (Monitor)

- Bluetooth Protocols:
  - AMP Manager Protocol (A2MP)
  - Attribute Protocol (ATT)
  - Audio/Video Control Transport Protocol (AVCTP)
  - Audio/Video Distribution Transport Protocol (AVDTP)
  - Bluetooth Network Encapsulation Protocol (BNEP)
  - Logical Link Control and Adaptation Protocol (L2CAP)

- Link Manager Protocol (LMP)
- Object Exchange Protocol (OBEX)
- RF Communication (RFCOMM)
- Security Manager Protocol (SMP)
- Service Discover Protocol (SDP)

- Features:
  - Intuitive Explorer User Interface
  - Bluetooth 4.0/4.0+HS, 3.0/3.0+HS, 2.1/2.1+EDR and 2.0/2.0+EDR Bluetooth SIG BQE Qualified and Listed
  - AT Command Handler (ATx)
  - Language:
    - Arabic
    - Chinese Hong Kong
    - Chinese Simplified
    - Chinese Traditional
    - Croatian
    - Czech
    - Danish
    - Dutch
    - English
    - Finnish
    - French
    - German
    - Greek
    - Hebrew
    - Hungarian
    - Italian
    - Japanese
    - Korean
    - Norwegian
    - Polish
    - Portuguese Brazilian
    - Portuguese Iberian
    - Romanian
    - Russian
    - Spanish
    - Swedish
    - Thai
    - Turkish

# 4 Driver and Application Information

- Application build notes:

  audiosrv (4.0.4.343)
  btmcls (3.0.4.308)
  btmshell (4.0.4.343)
  btmoffice (3.0.4.313)
  mbtfca (1.18.0.322)
  devmgrsrv (4.0.4.324)
  obexsrv (3.0.4.320)
  pprtmon (3.0.4.306)
  btplayerctrl (4.0.4.324)
  btwmpplugin (4.0.4.322)

- Driver build notes:

  - BTMAUD (4.0.4.334) Submission ID 1479292
  - BTMCOM (3.0.3.299) Submission ID 1448383
  - BTMHID (4.0.4.343) Submission ID 1479293
  - BTMMDM (2.1.2.9) Submission ID 1339636
  - BTMNET (4.0.4.322) Submission ID 1462814
  - BTMUSB (4.0.4.334) Submission ID 1479294

# 5 Platform Requirements

- Operating Systems:
  - Windows XP, Vista and Windows 7 for x32/x64 systems
  - The latest Realtek driver for Windows 7

- Bus Interfaces:
  - USB

- Core Logic Chipsets
  - CSR Chipset

# 6 Deliverables

[X] Release Note .....
[X] Product .....

# 7 Installation

Please follow the steps below to setup Motorola Bluetooth stack to work with Realtek WiFi driver:

1. Install Realtek WiFi Driver
2. Install Motorola Bluetooth by running BluetoothSetup.exe and follow graphical wizard instructions

The BluetoothSetup.exe supports the following command line parameters:

| | |
|---|---|
| /VERYSILENT | Silent installation |
| /SUPPRESSMSGBOXES | Disable any OS warnings while the installation |
| /LOG="path/filename" | Write installation log to the “filename” file located on the specified “path” directory. The specified directory should exist before the installation. |
| /MERGETASKS=<Tasks> | Disable the some tasks while installation, the <Tasks> can be one of the following items:<br>"!CreateDesktopIcon" - disable Desktop Icon creation<br>"!CreateComputerIcon" - disable Computer Icon creation<br>"!CreateStartMenuIcon" - disable Start Menu Icons creation<br>"!CreateStartMenuIcon,!CreateComputerIcon,!CreateDesktopIcon" - Use this task to disable all icons creation |

# 8 Field Support

- Please report all problems to Motorola Field Applications Engineers.

# 9 Release History

**Release 4.0.14.343 (December 1, 2011)**

- **Modifications/Updates:**
  - Fixed minor problems in A2DP, HSP, HFP
  - Fixed BSOD in audio driver
  - Fixed minor problem in HID
  - Localization is updated

**Release 4.0.14.324 (July 29, 2011)**

- **Modifications/Updates:**
  - Bluetooth 4.0 LE core supported
  - Added Proximity and Find Me profiles
  - Added Generic Attribute Profile (GATT)
  - Added AMP Manager Protocol (A2MP)
  - Added Attribute Protocol (ATT)
  - Added Security Manager Protocol (SMP)
  - Added immediate SCO connection functionality
  - Added AVRCP 1.4 support
  - Added A2DP/HFP auto-reconnection after S3/S4 modes
  - Added support for Sony SonicStage player
  - Fixed minor problems in OBEX, OPP and FTP profiles
  - Fixed minor problems in SYNC and PBAP profiles
  - Fixed minor problems in A2DP and HFP profiles
  - Fixed minor problems in MS Office plug-in
  - Fixed minor problems in installation script
  - Updated Skype logic support
  - Updated User Manuals and localization for all languages

**Release 3.0.13.307 (May 12, 2011)**

- **Modifications/Updates:**
  - Replaced Readme file with license agreement
  - Fixed minor problems with localization for Korean and Chinese Traditional Hong Kong languages
  - Fixed problems with OPP and FTP profiles
  - Fixed a problem with OBEX Authentication
  - Qualified for update Profile versions OPP 1.2, FTP 1.2 and BIP 1.1

**Release 3.0.13.303 (April 13, 2011)**

- **Modifications/Updates:**
  - Added support for FTP 1.2, OPP 1.2 and BIP 1.1 versions
  - Added BIP Initiator role
  - Added support for OBEX Authentication
  - Updated Skype logic support
  - Updated User Manuals and localization for all languages
  - Fixed problems with OBEX, OPP and FTP profiles

- Fixed problems with SYNC and PBAP profiles

**Release 3.0.12.298 (March 07, 2011)**

- **Modifications/Updates:**
  - Updated User Manuals and localization for all languages
  - Fixed a problem with printer port
  - Fixed a problem with eSCO packet types choosing

**Release 3.0.12.288 (December 29, 2010)**

- **Modifications/Updates:**
  - Updated User Manuals and localization for all languages
  - Added "Enable High Speed Mode Support" option
  - Improved A2DP audio playback while device discovery

**Release 3.0.12.283 (November 19, 2010)**

- **Modifications/Updates:**
  - Removed remote LMP version indication from GUI
  - Fixed BSOD 9F in reboot test
  - Removed garbage code from Send To wizard in Japanese

**Release 3.0.12.272 (September 2, 2010)**

- **Modifications/Updates:**
  - Added RSSI value to Motorola HCI Extension
  - Added new VID/PID support

**Release 3.0.12.272 (September 2, 2010)**

- **Modifications/Updates:**
  - Removed HS Enable and HS Notify options from Bluetooth settings

**Release 3.0.12.267 (July 30, 2010)**

- **Modifications/Updates:**
  - Added Unicast Connectionless Data support
  - Added AVRCP controller support
  - Added MS Office Send-To menu integration
  - Added WinDVD support
  - Added Windows Media Center support
  - Added Inquiry Dynamic Priority HCI command
  - Implemented COM port 'Port Settings' page
  - Added ability to disable HS and HS notifications
  - Updated Japanese localization
  - Added Installation update support

**Release 3.0.12.265 (July 15, 2010)**

- **Modifications/Updates:**
  - Added support for CSR BC8 chip

**Release 3.0.12.251 (Jun 04, 2010)**

- Modifications/Updates:
  - Engineering build to use only while UPF36 testing

**Release 3.0.11.247 (May 28, 2010)**

- Modifications/Updates:
  - Added 7 new languages (Arabic, Hebrew, Traditional Chinese Hong-Kong, Croatian, Hungarian, Portuguese European and Romanian)
  - Added Installer Localization for all supported languages

**Release 3.0.11.237 (April 27, 2010)**

- Modifications/Updates:
  - Improved FTP and OPP throughput over HS link
  - OBEX 1.5 SRM supported
  - AVRCP updated for 1.4 version support
  - PAN adhock network support added
  - Skype support added

**Release 3.0.11.227 (March 31, 2010)**

- Modifications/Updates:
  - Updated Japanese localization
  - Sniff enabled for all HID devices

**Release 3.0.11.224 (March 19, 2010)**

- Modifications/Updates:
  - Engineering build with UPF35 fixes

**Release 3.0.1.213 (January 29, 2010)**

- Modifications/Updates:
  - Engineering build for UPF35 testing

**Release 3.0.0.205 (December 22, 2009)**

- Modifications/Updates:
  - First BT 3.0 + HS build for Realtek WiFi driver